

**Supplementary Table 11. The number of protein-coding genes supported by de novo, transcriptome data and homology prediction.**

|           | <b>&gt;=20% overlap</b> |                  | <b>&gt;=50% overlap</b> |                  | <b>&gt;=80% overlap</b> |                  |
|-----------|-------------------------|------------------|-------------------------|------------------|-------------------------|------------------|
|           | <b>No.</b>              | <b>Ratio (%)</b> | <b>No.</b>              | <b>Ratio (%)</b> | <b>No.</b>              | <b>Ratio (%)</b> |
| R         | 7,429                   | 15.62%           | 5,549                   | 17.97%           | 8,627                   | 27.94%           |
| H(single) | 57                      | 0.18%            | 80                      | 0.26%            | 118                     | 0.38%            |
| H(more)   | 90                      | 0.29%            | 125                     | 0.40%            | 180                     | 0.58%            |
| P(single) | 75                      | 0.24%            | 270                     | 0.87%            | 880                     | 2.85%            |
| P(more)   | 17                      | 0.06%            | 36                      | 0.12%            | 104                     | 0.34%            |
| HR        | 10,035                  | 32.50%           | 10,096                  | 32.70%           | 8,768                   | 28.40%           |
| PR        | 3,594                   | 11.64%           | 3,628                   | 11.75%           | 3,901                   | 12.63%           |
| PH        | 521                     | 1.69%            | 629                     | 2.04%            | 686                     | 2.22%            |
| PHR       | 1,140                   | 37.70%           | 10,363                  | 33.56%           | 6,907                   | 22.37%           |
| Total     | 30,853                  | 99.93%           | 30,776                  | 99.68%           | 30,171                  | 97.72%           |